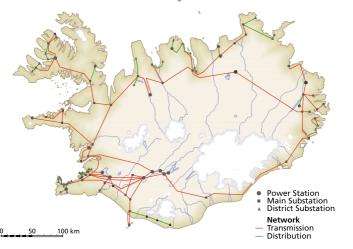
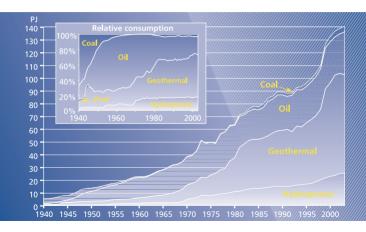


Electricity Network



Primary energy consumption in Iceland 1940-2003



Generation of electricity in Iceland 2003 and 2002

Total installed capacity of power plants

	20	03 % of total	M/W 200	02 % of total
Hydropower	1,150	78	1,150	78
Geothermal	202	13.7	202	13.7
Fuel	122	8.3	122	8.3
Total	1,474	100	1,474	100

Electricity generation

	2003 GWh	s % of total	20 0	02 % of total
Hydropower	7,084	83.4	6,972	82.9
Geothermal	1,406	16.6	1,433	17.0
Fuel	5	0.06	5	0.06
Total	8,495	100	8,410	100

Power plants under construction:

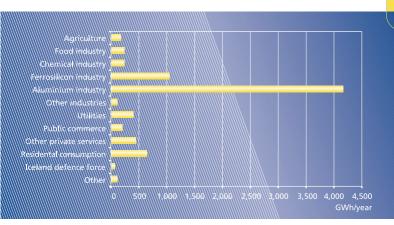
Geothermal:

Nesjavellir 30 MW (240 GWh), in 2005 Reykjanes 100 MW (800 GWh), in 2006 Hellisheidi 80 MW (640 GWh), in 2006

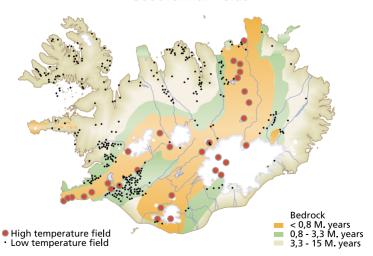
Hydropower:

Karahnjukar 6x115 = 690 MW (4600 GWh), in 2007

Electricity consumption 2003



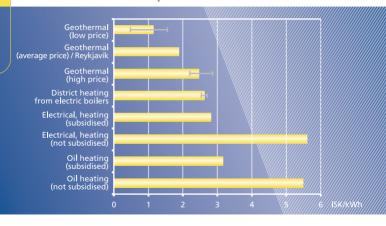
Geothermal fields



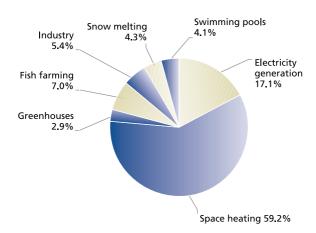
The main district heating companies in Iceland

	Number of wells 2004	Population 2004	Distribution 1,000 m ³ 2003
Orkuveita Reykjavikur	74	181,000	59,481
geothermal		181,000	59,481
Hitaveita Sudurnesja hf.	10	20,400	9,900
geothermal		16,650	8,747
electricity / oil		3,750	1,153
Nordurorka hf.	15	17,000	5,127
geothermal		17,000	5,127
Orkubu Vestfjarda hf.	5	4,100	1,814
geothermal		450	216
electricity I oil		3,650	1,598
Rafmagnsveitur rikisins	5	3,750	1,447
geothermal		1,750	828
electricity I oil		2,000	619

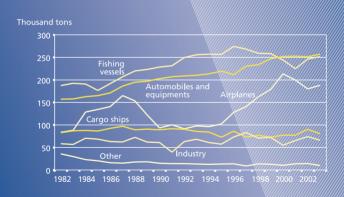
Comparison of energy prices for residental heating September 2004



Utilization of geothermal energy 2003



Consumption of petroleum products in Iceland 1982 - 2003



Units of Power and Energy

The International System of Units (SI) is the mandatory system of measurement in Iceland. The basic and customary units for power and energy are:

	Energy	Power
Basic unit	Joule (J)	Watt (W)
Customary unit	Watt-hour (Wh)	-

The prefixes for multiples of units in the SI system

Prefix	Abbreviations	Multiple of base unit
Exa	/////E	10 ¹⁸
Peta	P	10 ¹⁵
Tera	T	10 ¹²
Giga	G	10°
Mega	M	10 ⁶
Kilo	k	10³

Sometimes other units which are not part of the SI system are used, e.g. horsepower, hp or ton of oil equivalent, toe. The same prefixes are used, e.g. ktoe and Gtoe.

1 hp = 746 W 1 toe = 41.9 GJ 1Wh = 3.6 kJ



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